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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/626,677	07/24/2003	Dany Sylvain	7000-268	1039

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EXAMINER
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FERGUSON, KEITH

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 03/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/626,677	<b>Applicant(s)</b> SYLVAIN, DANY	
	<b>Examiner</b> Keith T. Ferguson	<b>Art Unit</b> 2683	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 21 December 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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**DETAILED ACTION**

***Response to Arguments***

1. Applicant's arguments with respect to claims 1-37 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-4, 6-17, 19-32, 34-35 and 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Malmstrom in view of Bushnell, et al. newly recited reference.

Regarding claims 1-4, 6-13, 16, 37, Malmstrom discloses a method (fig. 5) comprising: a) determining whether to route an incoming call intended for a directory number supported by a wireline switch (SSP 16) to a mobile terminal (col. 10 line 54 through col. 11 line 23) and when determining the incoming call should be routed via the cellular network, instructing the wireline switch to route the incoming call to the mobile terminal via the cellular network using a temporary destination location number (TDLN) (temporary routing indicia) (col. 11 lines 5-28), which is temporarily associated with the mobile terminal to facilitate routing the incoming call to the mobile terminal via the cellular network (col. 11 lines 5-28). Malmstrom

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differs from claim 1 of the present invention in that it does not disclose determining whether to rout an incoming call intended for a directory number via a terminal adaptor operatively associated with the wireline switch using local wireless communications, and instructing the wireline switch to route the incoming call to the mobile terminal via the terminal adaptor. Bushnell, et al. teaches a dual mode handset system wherein the handset could be used in a wire line system and/or a cellular system using a single directory number (Paragraph 0005 lines 1-11), when the handset is in range of a cordless base station, calls are attempt to reach the handset through a cordless base unit (adapter terminal) using local wireless communications (paragraph 0005 line 1 through paragraph 0007 line 7), and instructing the wire line switch to supply service (i.e. supply call originate service from the handset, or supply incoming call service to the handset by deactivating the call forwarding service) to the mobile terminal via the cordless base station (paragraph 0026 lines 1-11). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Malmstrom with determining whether to rout an incoming call intended for a directory number via a terminal adaptor operatively associated with the wireline switch, and instructing the wireline switch to route the incoming call to the mobile terminal via the terminal adaptor in order for the wire line switch to know that the mobile terminal has moved back within the range of a cordless base station so that the mobile terminal would not be charge for wireless airtime and for the mobile terminal to inform the switch that all call to be forwarded to the mobile terminal cordless base station since this is where the mobile terminal resides, as taught by Bushnell, et al..

Regarding claims 14 and 32, Malmstrom discloses providing a home location register, which is associated with the wireline switch (col. 7 lines 50-61 and col. 9 line 21 through col. 10 line 11), and b) receiving at the home location register, registration information from the cellular network indicating

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incoming calls to the mobile terminal can be routed via the cellular network (col. 9 line 21 through col. 10 line 11).

Regarding claim 15, Malmstrom discloses the registration information is received from a visiting location register associated with the cellular network (col. 9 line 21 through col. 10 line 11).

Regarding claims 17 and 35, Malmstrom discloses a method/system as discussed supra in claims 1,16,19 and 34, Malmstrom differs from claims 17 and 35 of the present invention in that it does not disclose blue tooth communication. Bushnell, et al. teaches bluetooth communication (fig. 3 number 307 and paragraph 0021 lines 1-24). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Malmstrom with local wireless communication and bluetooth communication in order for the system to exchange the communication equipment 14 with a cordless telephone system wherein a cordless handset could communicate within a short range with a cordless base station when receiving an incoming call, as taught by Bushnell, et al.

Regarding claims 19-31,34 Malmstrom discloses a system (fig. 1) comprising: a) at least one communication interface (fig. 1 number 50); and b) a control system (SCP)/(WLR) associated with the at least one communication interface and adapted to (fig. 1 numbers 22,24 and 50): i) determine whether to route an incoming call intended for a directory number supported by a wireline switch to a mobile terminal (col. 10 line 54 through col. 11 line 23); ii); and iii) when the incoming call should be routed via the cellular network, instruct the wireline switch to route the incoming call to the mobile terminal via the cellular network using a temporary routing indicia, which is temporarily associated with the mobile terminal to facilitate routing the incoming call to the mobile terminal via the cellular network (col. 11 lines 5-28). ). Malmstrom differs from claim 19 of the present invention in that

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it does not disclose determining whether to rout an incoming call intended for a directory number via a terminal adaptor operatively associated with the wireline switch using local wireless communications, and instructing the wireline switch to route the incoming call to the mobile terminal via the terminal adaptor. Bushnell, et al. teaches a dual mode handset system wherein the handset could be used in a wire line system and/or a cellular system using a single directory number (Paragraph 0005 lines 1-11), when the handset is in range of a cordless base station calls are attempt to reach the handset through a cordless base unit (adapter terminal) using local wireless communications (paragraph 0005 line 1 through paragraph 0007 line 7), and instructing the wire line switch to supply service (i.e. supply call originate service from the handset, or supply incoming call service to the handset by deactivating the call forwarding service) to the mobile terminal via the cordless base station (paragraph 0026 lines 1-11). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Malmstrom with determining whether to rout an incoming call intended for a directory number via a terminal adaptor operatively associated with the wireline switch, and instructing the wireline switch to route the incoming call to the mobile terminal via the terminal adaptor in order for the system wire line switch to know that the mobile terminal has moved back within the range of a cordless base station so that the mobile terminal would not be charge for wireless airtime and for the system to be informed by the mobile terminal that all call to be forwarded to the mobile terminal cordless base station since this is where the mobile terminal resides, as taught by Bushnell, et al..

4. Claims 5 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Malmstrom in view of Bushnell, et al. as applied to claims 1,3,4,19 and 32 above and in further view of Easley et al..

Regarding claims 5 and 33, the combination of Malmstrom and Bushnell, et al. differs from claims 5 and 33 of the present invention in that they not disclose the home location register obtains the temporary routing indicia from a visiting location register, which is associated with a cellular switch supporting the mobile terminal. Easley et al. teaches a visiting location

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register sends a temporary location directory number to a home location register associating with a mobile switching center (MSC) supporting a mobile station (col. 11 lines 16-38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made To modify the combination of Malmstrom and Bushnell, et al. with the home location register obtains the temporary routing indicia from a visiting location register, which is associated with a cellular switch supporting the mobile terminal in order for the serving MSC to inform the home location register temporary routing information on how the incoming call should be routed to the mobile station within the wireless network, as taught by Easley et al..

5. Claims 18 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Malmstrom in view of Bushnell, et al. as applied to 1 and 19 above and in further view of Hallensal (WO 02/19750).

Regarding claims 18 and 36, the combination of Malmstrom and Bushnell, et al. differs from claims 18 and 36 of the present invention in that they not explicit disclose a GSM network. Hallensal. teaches a GSM network (page 1 lines 6-9). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combination of Malmstrom and Bushnell, et al. with a GSM network in order for the wireless network to operate at a particular frequency band for its mobile subscribers, as taught by Hallensal.

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Keith T. Ferguson whose telephone number is (571) 272-7865. The examiner can normally be reached on 6:30am-4:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on (571) 272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Keith Ferguson  
Art Unit 2683  
February 23, 2006

**KEITH FERGUSON**  
**PRIMARY EXAMINER**

*Keith F*